

## SEQUENCE LISTING

<110> Deutsches Krebsforschungszentrum

<120> Peptides for inducing apoptosis in tumor cells

<130> DK62021PC

<160> 132

<170> PatentIn version 3.1

<210> 1

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 1

Trp Leu Gly Thr Phe Ser Gly Thr Cys Ser Thr Ala Phe Tyr Phe Pro  
1 5 10 15

Leu Gly Val Pro  
20

<210> 2

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 2

Cys Arg Trp Leu Arg Thr Lys Arg Thr Leu Pro Leu Phe Ser Val Met  
1 5 10 15

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Pro Phe Trp Cys  
20

&lt;210&gt; 3

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 3

Met Tyr Ser Asn Val Ser Val Asp Val Ala Ala Asp Gly Val Ser Cys  
1 5 10 15Val Cys Cys Ser Trp Ser Val Gln Asn Asp Arg Pro Asp Ser Gly  
20 25 30

&lt;210&gt; 4

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 4

Tyr Lys Trp Arg Met Gly Val Tyr Leu Ser Gly Val Arg Leu Met Arg  
1 5 10 15Ala Phe Ile Ile  
20

&lt;210&gt; 5

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 5

DK62021PC.ST25

Val Ser Tyr Arg Thr Cys Thr Ala Gly Gly Gln Met Ser Arg Trp Arg  
 1 5 10 15

Leu Phe Ile Ile  
 20

&lt;210&gt; 6

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 6

Gly Tyr Ser Leu Thr Ser Met Ser Ala Phe Ala Val Arg Pro Cys Val  
 1 5 10 15

Cys Gly Ser Leu  
 20

&lt;210&gt; 7

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 7

Trp Leu Gly Thr Phe Ser Gly Thr Cys Ser Thr Ala Phe Tyr Phe Pro  
 1 5 10 15

Leu Gly Val Pro  
 20

&lt;210&gt; 8

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

DK62021PC.ST25

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 8

Thr	Asn	Phe	Arg	Pro	Ser	Pro	Thr	Phe	His	Ala	Ile	Leu	Leu	Trp	Pro
1				5					10					15	

Asn	Thr	Phe	Ser
			20

&lt;210&gt; 9

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 9

Val	Gly	Leu	Gly	Gly	Trp	Cys	Phe	Asp	Cys	Tyr	Trp	Val	Ala	Trp	Asp
1				5					10					15	

Phe	Gln	Thr	Gln
			20

&lt;210&gt; 10

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 10

Phe	Trp	Asp	Tyr	Cys	Gly	Pro	Leu	Ile	Cys	Leu	His	Cys	Asn	Leu	Gly
1				5					10					15	

Arg	Cys	Val	Ser
			20

&lt;210&gt; 11

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

DK62021PC.ST25

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 11

Met Met Asp Ser Ala  
1 5

&lt;210&gt; 12

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 12

Ala Ser Leu Arg Leu Tyr Pro Ile Gly Gly Thr Val Pro Phe Gly Arg  
1 5 10 15Thr Gly Ala Gly  
20

&lt;210&gt; 13

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 13

Gly Asp Tyr Gly Cys Cys Trp Val Val Thr Thr Gly Val Gly Val Arg  
1 5 10 15Cys Tyr Val Trp  
20

&lt;210&gt; 14

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

DK62021PC.ST25

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 14

Ala Cys Trp Ala Leu Trp Ser Leu Phe Arg Gln Asp Leu Leu Leu Val  
1 5 10 15Ile Thr Phe Asp  
20

&lt;210&gt; 15

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 15

Asp Ser Ala Pro Gly Glu Arg Tyr Phe Val Asp Phe Leu Gly Val Ser  
1 5 10 15Phe Ala Cys Val Trp Ser Val Gln Asn Asp Arg Pro Asp Ser Gly  
20 25 30

&lt;210&gt; 16

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 16

Ile Pro Trp Ala Pro Pro Met Tyr Phe Ala Asp Ser Asn Val  
1 5 10

&lt;210&gt; 17

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

DK62021PC.ST25

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 17

Thr Pro Ser Cys Arg Ala Gly Val Leu Arg Cys Thr Gly Cys Phe Gly  
1 5 10 15Val Arg Ser Gly  
20

&lt;210&gt; 18

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 18

Leu Trp Arg Cys Arg Thr Val Ser Ala Tyr Leu Ser Trp Leu Arg His  
1 5 10 15Tyr Ser Ser Ser  
20

&lt;210&gt; 19

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 19

His Ser Arg Pro Ala Leu Cys Met Val Ser Leu Arg Trp Ala Arg Ser  
1 5 10 15Leu Trp Ile Val  
20

&lt;210&gt; 20

&lt;211&gt; 14

DK62021PC.ST25

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 20

Trp Thr His Val Trp Val Gly Trp Leu Val Ala Gly Met Ser  
1 5 10

&lt;210&gt; 21

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 21

Arg Phe Arg Cys Arg Ala Asp Leu Cys Val Thr Leu Thr Val Leu Ser  
1 5 10 15Phe Leu Ala Gln  
20

&lt;210&gt; 22

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 22

Cys Leu Glu Thr Leu Arg Val Cys Pro Tyr Val Ala Arg Ile Ala Ile  
1 5 10 15Gln His Leu Arg  
20

&lt;210&gt; 23

&lt;211&gt; 20



DK62021PC.ST25

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 23

Leu Leu Ala Trp Arg Val Gln Gln Ser Arg Pro Leu Pro Tyr Leu His  
1 5 10 15

Ile Ala Phe Ile  
20

&lt;210&gt; 24

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 24

Pro Pro Pro Leu Thr Gly Arg Trp Ser Arg Gln Cys Val Ser Val Phe  
1 5 10 15

Gly Ile Val His  
20

&lt;210&gt; 25

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 25

Cys Trp Ile His Arg Ala Trp Met Leu Ser Trp His Gly Val Trp Ser  
1 5 10 15

Leu Thr Leu Val  
20

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&lt;210&gt; 26

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 26

Ala Pro Pro Ile Ser Gly Arg Trp Arg Gly Leu Tyr Met Arg Ser Arg  
1 5 10 15Phe Val Ser Leu  
20

&lt;210&gt; 27

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 27

Val Arg Leu Phe Ile Val Cys Ile Ile Ile Cys Cys Leu Met Leu Leu  
1 5 10 15

Val Gly

&lt;210&gt; 28

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 28

Ile Pro Ser Cys Ser Val Leu Val Cys Leu Cys His Leu Ala Arg Leu  
1 5 10 15

DK62021PC.ST25

Trp His Cys Glu  
20

&lt;210&gt; 29

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 29

Cys Ser Val Met His val Phe Arg Val Gly Pro Gly Ser Ser Gly Ser  
1 5 10 15Leu Ser Cys Gly  
20

&lt;210&gt; 30

&lt;211&gt; 42

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 30

Arg Ala Thr Tyr Trp Phe Arg Ser Arg Tyr Gln Val val His Arg Ser  
1 5 10 15Arg Leu Pro Tyr Gly Pro Leu Ile val Val Gly Ile Gly Ala Leu Asn  
20 25 30Leu Glu Leu Asn Arg Thr Leu Leu Cys Ser  
35 40

&lt;210&gt; 31

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

DK62021PC.ST25

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 31

Ser Leu Ala Ile Trp Ser Thr Gln Ser Cys Ala Arg Cys Gln Cys Thr  
1 5 10 15Leu Ser Arg Val  
20

&lt;210&gt; 32

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 32

Phe Trp Phe Leu Pro Ala Pro Pro Cys Lys Cys Gly Leu Leu Tyr Arg  
1 5 10 15Leu Ser Val His  
20

&lt;210&gt; 33

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 33

Leu Ala Gly Arg His Phe Ser Arg Val Val Asp Arg Ile Arg Tyr Arg  
1 5 10 15Leu Leu Trp Thr  
20

&lt;210&gt; 34

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

DK62021PC.ST25

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 34

Met Pro Ile Pro Pro Leu Cys Arg Ser Ala Gly Arg Leu Leu Tyr Leu  
1 5 10 15

Tyr Thr His Tyr  
20

&lt;210&gt; 35

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 35

Tyr Thr Leu Pro Ser Val Leu Leu Cys Leu Met Arg Thr Gly Met Leu  
1 5 10 15

Arg Cys Ala Cys  
20

&lt;210&gt; 36

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (18)..(18)

&lt;223&gt; undefined amino acid

&lt;400&gt; 36

Gly Met Pro Ile Arg Ala Ser Pro Cys Tyr Leu Gly Val Asp Gly Trp  
1 5 10 15

DK62021PC.ST25

Cys Xaa Thr Leu  
20

&lt;210&gt; 37

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 37

Lys Pro Trp Glu Tyr Leu Arg Met Phe Pro Trp Met Arg Val Ala Arg  
1 5 10 15Phe Phe Ile Trp  
20

&lt;210&gt; 38

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 38

Ala Leu Leu Met Phe Gly Cys Pro Asn Trp Phe Ala Ser Trp Arg Leu  
1 5 10 15His Leu Phe Ile  
20

&lt;210&gt; 39

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 39

Glu Phe Gly Ser Gly Leu Val Ser Gly Arg Gly Ile Ile Val Arg Arg  
 1 5 10 15

Met Leu Phe Leu Arg Val Leu Leu Trp Val Leu Arg Ser Ala Glu Ile  
 20 25 30

Tyr Glu Ser  
 35

&lt;210&gt; 40

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 40

Gly Pro Phe Glu Asn Trp Arg Val Glu Glu Leu Ala Arg Gly Arg Tyr  
 1 5 10 15

Arg Met His Gly Asp Val Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
 20 25 30

&lt;210&gt; 41

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 41

Gly Pro Ile Asp Cys Ile Ile Phe Leu Leu Trp Tyr Ser Arg Gln Gln  
 1 5 10 15

Arg Gly Gly Ser Arg Gly Gly Pro  
 20

&lt;210&gt; 42

&lt;211&gt; 33

&lt;212&gt; PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 42

Gly Ser Arg Phe Arg Val Phe Val Cys Ser Leu Phe Ser Phe Leu Ser  
1 5 10 15

Gly Arg Gly Gly Gly Val Val Val Leu Arg Ser Ala Glu Ile Tyr Glu  
20 25 30

Ser

<210> 43

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 43

Gly Pro Phe Lys Arg Cys His Glu Arg Leu Val Ala Phe Ala Arg Cys  
1 5 10 15

Trp Phe Met Trp Ser Met Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
20 25 30

<210> 44

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 44

Gly Pro Ser Asn Asp Asn Gln Leu Val Leu Arg Val Arg Ile Leu Arg  
1 5 10 15

Val Leu Ile Val Met Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
20 25 30



<210> 45

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 45

Glu Phe Arg Val Arg Arg Met Arg Leu Leu Val Arg Leu Met Gly Ser  
1 5 10 15

Asp Asp Ser Gly Thr Ile Pro Asp Phe Gly Pro  
20 25

<210> 46

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 46

Gly Pro Ser Leu Gln Phe Leu Glu Val Val Val Ser Cys Tyr Met Val  
1 5 10 15

Leu Tyr Asp Leu Ser Lys Gly Pro  
20

<210> 47

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 47

Gly Pro Gln Pro Phe Cys Ser Pro Pro Ser Phe Tyr Thr Arg Leu Leu  
1 5 10 15

Ile Ile Val Arg Leu Leu Ser Leu Asp Leu Gln Arg Ser Ser Asn Arg  
                   20                  25                  30

Arg Tyr

<210> 48

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 48

Gly Pro Ala Pro Leu Ser Leu Cys Val Cys Lys Cys Gly Cys Gly His  
   1                  5                  10                  15

Thr Arg Pro Phe Val Gly Pro  
                   20

<210> 49

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 49

Gly Pro Asp Val His Ile Trp Gln Ser Ile Ile Phe Tyr Ala Met Arg  
   1                  5                  10                  15

His Met Met Gly Pro  
                   20

<210> 50

<211> 35

<212> PRT

<213> Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 50

Glu Phe Gly Ser Gly Cys Gly Cys Phe Val Arg Gly Arg Ile Val Arg  
 1 5 10 15

Ile Arg Cys Val Ile Leu Leu Leu Arg Val Leu Arg Ser Ala Glu Ile  
 20 25 30

Tyr Glu Ser  
 35

&lt;210&gt; 51

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 51

Gly Pro His Ser Ser Ala His Asp Arg Ile Trp Leu Arg Val Arg Gly  
 1 5 10 15

Leu Arg Ile Ile Leu Leu Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
 20 25 30

&lt;210&gt; 52

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 52

Glu Phe Gly Ser Gly Leu Cys Val Arg Arg Trp Trp Gly Met Ser Val  
 1 5 10 15

Gly Ser Arg Ile Met Leu Val Met Leu Val Leu Arg Ser Ala Glu Ile  
 20 25 30

Tyr Glu Ser  
 35

<210> 53

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 53

Gly Pro Val Tyr Ser Glu Ala Phe Val Cys Leu Val Cys Ala Gly Val  
1 5 10 15

Cys Val Glu Glu Cys Gly Gly Ser Leu Asp Leu Gln Arg Ser Ser Asn  
20 25 30

Arg Arg Tyr  
35

<210> 54

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 54

Gly Pro Ile Glu Thr Val Gly Phe Ile Val Arg Leu His Thr Leu Leu  
1 5 10 15

Met Val Leu Arg Arg Thr Gly Pro  
20

<210> 55

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

&lt;400&gt; 55

Gly Pro Leu His Arg Thr Leu Leu Val Asp Met Cys Cys Trp Leu Met  
 1 5 10 15

Ser Leu Glu Ser Asn Met Gly Pro  
 20

&lt;210&gt; 56

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 56

Glu Phe Gly Val Arg Val Val Cys Val Val Arg Ser Leu Phe Val Leu  
 1 5 10 15

Arg Cys Gly Leu Leu Arg Cys Arg Gly Val Leu Arg Ser Ala Glu Ile  
 20 25 30

Tyr Glu Ser  
 35

&lt;210&gt; 57

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 57

Glu Phe Val Arg Glu Cys Ser Leu Cys Arg Val Met Val Leu Met Phe  
 1 5 10 15

Val Leu Arg Gly Ile Arg Leu Arg Val Leu Arg Ser Ala Glu Ile Tyr  
 20 25 30

Glu Ser

&lt;210&gt; 58

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 58

Glu Phe Gly Val Arg Leu Leu Val Leu Leu Arg Leu Arg Cys Val Arg  
1 5 10 15

Arg Gly Gly Gly Cys Phe Val Cys Trp Val Leu Arg Ser Ala Glu Ile  
20 25 30

Tyr Glu Ser  
35

<210> 59

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 59

Gly Ser Gly Phe Arg Met Arg Val Leu Val Met Val Cys Arg Leu Arg  
1 5 10 15

Val Val Phe Leu Val Arg Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu  
20 25 30

Ser

<210> 60

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

&lt;400&gt; 60

Gly Arg Leu Gly Trp Leu Arg Leu Leu Cys Val Arg Ile Val Leu Val  
1 5 10 15

Cys Leu Arg Arg Gly Leu Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
20 25 30

&lt;210&gt; 61

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 61

Glu Phe Gly Ser Gly Trp Tyr Val Asp Leu Gly Asp Tyr Ser Val Trp  
1 5 10 15

Val Asp Tyr Val Tyr Cys Gly Ser Gly Ser Leu Asp Leu Gln Arg Ser  
20 25 30

Ser Asn Arg Arg Tyr  
35

&lt;210&gt; 62

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 62

Gly Pro Ser Gln Cys Ala Gln Arg Val Ala Leu Ile Gln Met Tyr Ile  
1 5 10 15

Asp Ala Leu Val Cys Ile Gly Pro  
20

&lt;210&gt; 63

&lt;211&gt; 35

&lt;212&gt; PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<220>

<221> MISC\_FEATURE

<222> (19)..(19)

<223> undefined amino acid

<400> 63

Glu Phe Gly Ser Gly Cys Val Arg Ile Arg Val Gly Ile Val Arg Arg  
1 5 10 15

Met Leu Xaa Leu Arg Phe Val Phe Leu Val Leu Arg Ser Ala Glu Ile  
20 25 30

Tyr Glu Ser  
35

<210> 64

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 64

Gly Pro Leu Leu Asp Pro Met Leu Arg Gln Arg Phe Ser Leu Arg Val  
1 5 10 15

Trp Ile Met Leu Leu Gly Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
20 25 30

<210> 65

<211> 24

<212> PRT

<213> Artificial Sequence

<220>



<223> randomized peptide that bind to particular IAPs

<400> 65

Gly Pro Asn Ser Trp Val Trp Arg Tyr Val Thr Ile Ala His Trp Leu  
1 5 10 15

Ala Asn Tyr Arg Met Ser Gly Pro  
20

<210> 66

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 66

Gly Pro Ala Met Lys Ser Cys Thr Ile Arg Val Phe Arg Val Cys Ile  
1 5 10 15

Val Leu Arg Ile Val Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
20 25 30

<210> 67

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 67

Glu Phe Gly Val Arg Met Arg Leu Met Ile Arg Ile Phe Arg Gly Leu  
1 5 10 15

Phe Val Leu Arg Gly Phe Arg Gly Leu Val Leu Arg Ser Ala Glu Ile  
20 25 30

Tyr Glu Ser  
35

<210> 68

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 68

Gly Pro Val Pro Ser Ser Pro Cys Ser Phe Leu Leu Tyr Cys Arg Asp  
1 5 10 15

Val Leu Cys His Trp Pro Gly Pro  
20

<210> 69

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 69

Gly Pro Cys Glu Pro Phe Ile Gly Asp Cys Trp Pro Cys Leu Ile Arg  
1 5 10 15

Thr Leu Val Thr Leu Arg Gly Leu Asp Leu  
20 25

<210> 70

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 70

Gly Pro Trp Trp Lys Asp Arg Gly Val Leu Val Arg Leu Cys Val Leu  
1 5 10 15

Arg Leu Val Val Gly Val Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
20 25 30

&lt;210&gt; 71

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (18)..(18)

&lt;223&gt; undefined amino acid

&lt;400&gt; 71

Gly Pro Arg Leu Leu Val Arg Met Arg Gly Trp Cys Arg Val Ser Leu  
 1 5 10 15

Ile Xaa Phe Trp Leu Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
 20 25 30

&lt;210&gt; 72

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 72

Glu Phe Arg Val Arg Ile Ile Val Val Ser Leu Arg Ile Trp Arg Leu  
 1 5 10 15

Leu Val Arg Arg Arg Cys Leu Cys Leu Val Leu Arg Ser Ala Glu Ile  
 20 25 30

Tyr Glu Ser  
 35

&lt;210&gt; 73

&lt;211&gt; 32

&lt;212&gt; PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 73

Gly Pro Val Glu Cys Ala Asp Val Leu Phe Ala Ser Arg Ile Arg Leu  
1 5 10 15

Leu Cys Leu Cys Phe Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
20 25 30

<210> 74

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 74

Glu Phe Gly Arg Arg Leu Leu Val Phe Arg Leu Ser Val Phe Val Val  
1 5 10 15

Val Leu Gly Arg Arg Leu Ser Arg Val Leu Arg Ser Ala Glu Ile Tyr  
20 25 30

Glu Ser

<210> 75

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 75

Gly Ala Gly Leu Gly Arg Val Ile Arg Leu Arg Ile Val Val Leu Arg  
1 5 10 15

Cys Ile Phe Leu Leu Phe Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu  
20 25 30

Ser

&lt;210&gt; 76

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 76

Gly Pro Phe Pro Phe Asp Tyr Pro Arg Trp Ile Met Ile Val Leu Leu  
 1 5 10 15

Arg Gly Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
 20 25

&lt;210&gt; 77

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 77

Gly Ser Arg Gly Leu Arg Leu Cys Leu Leu Gly Arg Cys Arg Leu Cys  
 1 5 10 15

Gly Cys Leu Ile Ile Met Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu  
 20 25 30

Ser

&lt;210&gt; 78

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 78

Gly Pro Glu Ser Tyr Val Leu Trp Pro Ala Arg Gly Glu Ala Leu Tyr  
 1 5 10 15

Tyr Leu Arg Ala Trp Leu Gly Pro  
 20

&lt;210&gt; 79

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 79

Gly Ser Arg Cys Ile Arg Arg Arg Ile Ser Ile Leu Phe Phe Val Phe  
 1 5 10 15

Arg Val Leu Arg Ser Arg Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu  
 20 25 30

Ser

&lt;210&gt; 80

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 80

Gly Pro Phe Ser Glu His Ala Arg Gly His Val Val Thr Ile Cys Arg  
 1 5 10 15

Leu Arg Leu Leu Phe Trp Leu Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
 20 25 30

&lt;210&gt; 81

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 81

Gly Pro Ser Ser Leu Leu Arg Arg Cys Leu Ile Leu Gly Met Val Leu  
1 5 10 15

Gly Val Leu Arg Arg Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
20 25 30

<210> 82

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 82

Gly Pro His Pro Val Leu Ala Val Gln Leu Ile Asn Ala Tyr Leu Gly  
1 5 10 15

Leu Glu Arg Val Gly Arg Gly Pro  
20

<210> 83

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 83

Gly Pro Leu Pro Ser Gly Ala Val Ser Thr Glu Ala Tyr Phe Trp Glu  
1 5 10 15

Val Phe Lys Leu Leu Met Gly Pro  
20

<210> 84

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 84

Gly Pro Tyr Pro Tyr Leu Arg Ile Leu Leu Val Gln Lys Ile Ala Cys  
1 5 10 15

Val Arg Arg Ala Leu Trp Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
20 25 30

<210> 85

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 85

Gly Pro Val Gly Val Glu Gly Val Asp Ser Val Phe Gly Trp Cys Val  
1 5 10 15

Val Cys Phe Leu Leu Val Trp Ser Leu Asp Leu Gln Arg Ser Ser Asn  
20 25 30

Arg Arg Tyr  
35

<210> 86

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs



&lt;400&gt; 86

Glu Phe Arg Val Arg Val Leu Gly Cys Met Gly Val Phe Leu Arg Leu  
 1 5 10 15

Arg Phe Cys Gly Gly Leu Arg Leu Arg Val Leu Arg Ser Ala Glu Ile  
 20 25 30

Tyr Glu Ser  
 35

&lt;210&gt; 87

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 87

Gly Ser Gly Leu Val Ser Gly Arg Gly Ile Ile Val Arg Arg Met Leu  
 1 5 10 15

Phe Leu Arg Val Leu Leu Trp Val Leu Arg Ser Ala Glu Ile Tyr Glu  
 20 25 30

Ser

&lt;210&gt; 88

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 88

Gly Pro Phe Glu Asn Trp Arg Val Glu Glu Leu Ala Arg Gly Arg Tyr  
 1 5 10 15

Arg Met His Gly Asp Val Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
 20 25 30

&lt;210&gt; 89

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 89

Gly Pro Ile Asp Cys Ile Ile Phe Leu Leu Trp Tyr Ser Arg Gln Gln  
1 5 10 15

Arg Gly Gly Ser Arg Gly Gly Pro  
20

<210> 90

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 90

Gly Ser Arg Phe Arg Val Phe Val Cys Ser Leu Phe Ser Phe Leu Ser  
1 5 10 15

Gly Arg Gly Gly Gly Val Val Val Leu Arg Ser Ala Glu Ile Tyr Glu  
20 25 30

Ser

<210> 91

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 91

Gly Pro Phe Lys Arg Cys His Glu Arg Leu Val Ala Phe Ala Arg Cys  
1 5 10 15

Trp Phe Met Trp Ser Met Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
                   20                  25                  30

<210> 92

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 92

Gly Pro Ser Asn Asp Asn Gln Leu Val Leu Arg Val Arg Ile Leu Arg  
   1                  5                  10                  15

Val Leu Ile Val Met Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
                   20                  25                  30

<210> 93

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 93

Arg Val Arg Arg Met Arg Leu Leu Val Arg Leu Met Gly Ser Asp Asp  
   1                  5                  10                  15

Ser Gly Thr Ile Pro Asp Phe Gly Pro  
                   20                  25

<210> 94

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 94

Gly Pro Ser Leu Gln Phe Leu Glu Val Val Val Ser Cys Tyr Met Val  
1 5 10 15

Leu Tyr Asp Leu Ser Lys Gly Pro  
20

<210> 95

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 95

Gly Pro Gln Pro Phe Cys Ser Pro Pro Ser Phe Tyr Thr Arg Leu Leu  
1 5 10 15

Ile Ile Val Arg Leu Leu Ser Leu Asp Leu Gln Arg Ser Ser Asn Arg  
20 25 30

Arg Tyr

<210> 96

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 96

Gly Pro Ala Pro Leu Ser Leu Cys Val Cys Lys Cys Gly Cys Gly His  
1 5 10 15

Thr Arg Pro Phe Val Gly Pro  
20

<210> 97

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 97

Gly Pro Asp Val His Ile Trp Gln Ser Ile Ile Phe Tyr Ala Met Arg  
1 5 10 15

His Met Met Gly Pro  
20

<210> 98

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 98

Gly Ser Gly Cys Gly Cys Phe Val Arg Gly Arg Ile Val Arg Ile Arg  
1 5 10 15

Cys Val Ile Leu Leu Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu  
20 25 30

Ser

<210> 99

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 99

Gly Pro His Ser Ser Ala His Asp Arg Ile Trp Leu Arg Val Arg Gly  
1 5 10 15

Leu Arg Ile Ile Leu Leu Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
20 25 30

&lt;210&gt; 100

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 100

Gly Ser Gly Leu Cys Val Arg Arg Trp Trp Gly Met Ser Val Gly Ser  
 1 5 10 15

Arg Ile Met Leu Val Met Leu Val Leu Arg Ser Ala Glu Ile Tyr Glu  
 20 25 30

Ser

&lt;210&gt; 101

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 101

Gly Pro Val Tyr Ser Glu Ala Phe Val Cys Leu Val Cys Ala Gly Val  
 1 5 10 15

Cys Val Glu Glu Cys Gly Gly Ser Leu Asp Leu Gln Arg Ser Ser Asn  
 20 25 30

Arg Arg Tyr  
 35

&lt;210&gt; 102

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 102

Gly Pro Ile Glu Thr val Gly Phe Ile val Arg Leu His Thr Leu Leu  
 1 5 10 15

Met Val Leu Arg Arg Thr Gly Pro  
 20

&lt;210&gt; 103

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 103

Gly Pro Leu His Arg Thr Leu Leu val Asp Met Cys Cys Trp Leu Met  
 1 5 10 15

Ser Leu Glu Ser Asn Met Gly Pro  
 20

&lt;210&gt; 104

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 104

Gly val Arg val val Cys val val Arg Ser Leu Phe val Leu Arg Cys  
 1 5 10 15

Gly Leu Leu Arg Cys Arg Gly val Leu Arg Ser Ala Glu Ile Tyr Glu  
 20 25 30

Ser

&lt;210&gt; 105

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 105

Val	Arg	Glu	Cys	Ser	Leu	Cys	Arg	Val	Met	Val	Leu	Met	Phe	Val	Leu
1				5					10					15	

Arg	Gly	Ile	Arg	Leu	Arg	Val	Leu	Arg	Ser	Ala	Glu	Ile	Tyr	Glu	Ser
			20					25					30		

&lt;210&gt; 106

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 106

Gly	Val	Arg	Leu	Leu	Val	Leu	Leu	Arg	Leu	Arg	Cys	Val	Arg	Arg	Gly
1			5						10					15	

Gly	Gly	Cys	Phe	Val	Cys	Trp	Val	Leu	Arg	Ser	Ala	Glu	Ile	Tyr	Glu
			20					25					30		

Ser

&lt;210&gt; 107

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 107

Gly	Ser	Gly	Phe	Arg	Met	Arg	Val	Leu	Val	Met	Val	Cys	Arg	Leu	Arg
1				5					10					15	



Val Val Phe Leu Val Arg Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu  
           20                                  25                                  30

Ser

<210> 108

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 108

Gly Arg Leu Gly Trp Leu Arg Leu Leu Cys Val Arg Ile Val Leu Val  
   1                  5                                  10                                  15

Cys Leu Arg Arg Gly Leu Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
           20                                  25                                  30

<210> 109

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 109

Gly Ser Gly Trp Tyr Val Asp Leu Gly Asp Tyr Ser Val Trp Val Asp  
   1                  5                                  10                                  15

Tyr Val Tyr Cys Gly Ser Gly Ser Leu Asp Leu Gln Arg Ser Ser Asn  
           20                                  25                                  30

Arg Arg Tyr  
           35

<210> 110

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 110

Gly Pro Ser Gln Cys Ala Gln Arg Val Ala Leu Ile Gln Met Tyr Ile  
1 5 10 15

Asp Ala Leu Val Cys Ile Gly Pro  
20

<210> 111

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 111

Gly Ser Gly Cys Val Arg Ile Arg Val Gly Ile Val Arg Arg Met Leu  
1 5 10 15

Phe Leu Arg Phe Val Phe Leu Val Pro  
20 25

<210> 112

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 112

Gly Pro Leu Leu Asp Pro Met Leu Arg Gln Arg Phe Ser Leu Arg Val  
1 5 10 15

Trp Ile Met Leu Leu Gly Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
20 25 30

<210> 113

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 113

Gly Pro Asn Ser Trp Val Trp Arg Tyr Val Thr Ile Ala His Trp Leu  
1 5 10 15

Ala Asn Tyr Arg Met Ser Gly Pro  
20

<210> 114

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 114

Gly Pro Ala Met Lys Ser Cys Thr Ile Arg Val Phe Arg Val Cys Ile  
1 5 10 15

Val Leu Arg Ile Val Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
20 25 30

<210> 115

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 115

Gly Val Arg Met Arg Leu Met Ile Arg Ile Phe Arg Gly Leu Phe Val  
1 5 10 15

Leu Arg Gly Phe Arg Gly Leu Val Leu Arg Ser Ala Glu Ile Tyr Glu  
20 25 30

Ser

&lt;210&gt; 116

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 116

Gly Pro Val Pro Ser Ser Pro Cys Ser Phe Leu Leu Tyr Cys Arg Asp  
 1 5 10 15

Val Leu Cys His Trp Pro Gly Pro  
 20

&lt;210&gt; 117

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 117

Gly Pro Cys Glu Pro Phe Ile Gly Asp Cys Trp Pro Cys Leu Ile Arg  
 1 5 10 15

Thr Leu Val Thr Leu Arg Gly Leu Asp Leu Gln Arg Ser Ser Asn Arg  
 20 25 30

Arg Tyr

&lt;210&gt; 118

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 118

Gly Pro Trp Trp Lys Asp Arg Gly Val Leu Val Arg Leu Cys Val Leu  
 1 5 10 15

Arg Leu Val Val Gly Val Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
 20 25 30

&lt;210&gt; 119

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (18)..(18)

&lt;223&gt; undefined amino acid

&lt;400&gt; 119

Gly Pro Arg Leu Leu Val Arg Met Arg Gly Trp Cys Arg Val Ser Leu  
 1 5 10 15

Ile Xaa Phe Trp Leu Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
 20 25 30

&lt;210&gt; 120

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 120

Arg Val Arg Ile Ile Val Val Ser Leu Arg Ile Trp Arg Leu Leu Val  
 1 5 10 15

Arg Arg Arg Cys Leu Cys Leu Val Leu Arg Ser Ala Glu Ile Tyr Glu  
                   20                                  25                                  30

Ser

<210> 121

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 121

Gly Pro Val Glu Cys Ala Asp Val Leu Phe Ala Ser Arg Ile Arg Leu  
   1                  5                                  10                                  15

Leu Cys Leu Cys Phe Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
                   20                                  25                                  30

<210> 122

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 122

Gly Arg Arg Leu Leu Val Phe Arg Leu Ser Val Phe Val Val Val Leu  
   1                  5                                  10                                  15

Gly Arg Arg Leu Ser Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
                   20                                  25                                  30

<210> 123

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 123

Gly Ala Gly Leu Gly Arg Val Ile Arg Leu Arg Ile Val Val Leu Arg  
1 5 10 15

Cys Ile Phe Leu Leu Phe Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu  
20 25 30

Ser

<210> 124

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 124

Gly Pro Phe Pro Phe Asp Tyr Pro Arg Trp Ile Met Ile Val Leu Leu  
1 5 10 15

Arg Gly Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
20 25

<210> 125

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 125

Gly Ser Arg Gly Leu Arg Leu Cys Leu Gly Arg Cys Arg Leu Cys  
1 5 10 15

Gly Cys Leu Ile Ile Met Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu  
20 25 30

Ser

&lt;210&gt; 126

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 126

Gly Pro Glu Ser Tyr Val Leu Trp Pro Ala Arg Gly Glu Ala Leu Tyr  
 1 5 10 15

Tyr Leu Arg Ala Trp Leu Gly Pro  
 20

&lt;210&gt; 127

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 127

Gly Ser Arg Cys Ile Arg Arg Arg Ile Ser Ile Leu Phe Phe Val Phe  
 1 5 10 15

Arg Val Leu Arg Ser Arg Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu  
 20 25 30

Ser

&lt;210&gt; 128

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; randomized peptide that bind to particular IAPs

&lt;400&gt; 128



Gly Pro Phe Ser Glu His Ala Arg Gly His val val Thr Ile Cys Arg  
 1 5 10 15

Leu Arg Leu Leu Phe Trp Leu Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
 20 25 30

<210> 129

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 129

Gly Pro Ser Ser Leu Leu Arg Arg Cys Leu Ile Leu Gly Met Val Leu  
 1 5 10 15

Gly val Leu Arg Arg Arg Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
 20 25 30

<210> 130

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> randomized peptide that bind to particular IAPs

<400> 130

Gly Pro His Pro Val Leu Ala Val Gln Leu Ile Asn Ala Tyr Leu Gly  
 1 5 10 15

Leu Glu Arg Val Gly Arg Gly Pro  
 20

<210> 131

<211> 24

<212> PRT

<213> Artificial Sequence

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<223> randomized peptide that bind to particular IAPs

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Val Phe Lys Leu Leu Met Gly Pro  
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<212> PRT

<213> Artificial Sequence

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<400> 132

Gly Pro Tyr Pro Tyr Leu Arg Ile Leu Leu Val Gln Lys Ile Ala Cys  
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Val Arg Arg Ala Leu Trp Val Leu Arg Ser Ala Glu Ile Tyr Glu Ser  
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